

L-Phenylalanine, N-(trifluoroacetyl)-, trimethylsilyl ester

Other names:	Trimethylsilyl 3-phenyl-2-[(trifluoroacetyl)amino]propanoate, L-Phenylalanine, N-TFA-O-TMS
Inchi:	InChI=1S/C14H18F3NO3Si/c1-22(2,3)21-12(19)11(18-13(20)14(15,16)17)9-10-7-5-4-6-8
InchiKey:	MRVDDKKCSXVEZMU-UHFFFAOYSA-N
Formula:	C14H18F3NO3Si
SMILES:	C[Si](C)(C)OC(=O)C(Cc1ccccc1)NC(=O)C(F)(F)F
Mol. weight [g/mol]:	333.38
CAS:	52558-84-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.44		Crippen Method
logp	2.654		Crippen Method
rinpol	1578.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C52558846&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/56-698-6/l-Phenylalanine-N-trifluoroacetyl-trimethylsilyl-ester.pdf>

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